

# ABSTRACT

5 A printshop contains resources that are utilized to complete print jobs. The  
resources are partitioned into autonomous cells. Each autonomous cell is capable of  
completing at least one class of print job. Print jobs are assigned to the autonomous  
cells for completion. An autonomous cell may subdivide a print job into smaller sized  
lots and process the smaller size lots in parallel. This approach enhances the efficiency  
of the shop, decreases the work in progress, labor and inventory costs associated with  
10 running the print jobs and increases the utilization of the printing equipment in the  
printshop.

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